Author Index to Volume 23 (1992)

(The issue number is given in front of the pagination)

| Akyildiz, I.F., Report on the 3rd Interna- tional Conference on the Performance of | | Dedoussis, S., see Altaber, J. de Meer, J., R. Roth and S. Vuong, Introduc- | (1-3) 139-142 |
|---|-------------------------------|---|---|
| Distributed Systems and Integrated | | tion to algebraic specifications based on | |
| Communication Networks, 10-12 | | the language ACT ONE | (5) 363-392 |
| September 1991, Kyoto, Japan | (4) 317-320 | Després, R., Global high speed WAN archi- | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| Altaber, J., B. Carpenter, S. Cannon, D. | | tecture for the 90's | (1-3) 125-128 |
| Davids, M. Hine, C. Isnard, J.M. | | Dyer, J., The integration of the X Window | |
| Jouanigot, S. Olofsson, B. Segal, N. | | System and ISO Virtual Terminals for a | |
| Stheneur, P.L. Forsström, M. Nordberg, | | European workstation environment | $(1-3)\ 101-105$ |
| S. Simonen, M. Voipio, G. Barreira, P. | | | (=) |
| Veiga, S. Dedoussis, C. Touramanis, O. | | Faci, M., see Logrippo, L. | (5) 325–342 |
| Koudelka and K. Sweeney, CHEOPS: re- | (1 2) 120 142 | Falaki, S.O., see Leung, C.H.C. | (4) 229–240 |
| ally using a satellite | (1-3) 139–142 | Fluckiger, F. , From megabit to gigabit: possible transition scenarios | (1-3) 129-138 |
| Dameira C. an Altabar I | (1 2) 120 142 | Forsström, P.L., see Altaber, J. | (1-3) 129-138 $(1-3)$ 139-142 |
| Barreira, G., see Altaber, J. Bauerfeld, W. and H. Westbrock, Multime- | (1-3) 139-142 | Franzen, M., FDDI concentrators and how | (1-3) 139-142 |
| dia communication with high-speed pro- | | they work together with other FDDI net- | |
| tocols | (1-3) 143-151 | work components | (1-3) 51- 55 |
| Benford, S., Building group communication | (1 3) 143 131 | • | (, |
| on OSI | (1-3) 87- 90 | Gerich, E., Expanding the Internet to a | |
| Bessière, C., J.L. Léonhardt and R. Zeiliger, | | global environment but how to get | |
| Multimedia authoring tools: Atelier | | connected? | (1-3) 43- 46 |
| ORGUE | $(1-3)\ 157-161$ | Gerich, E., Management and operation of | |
| Bostwick, W.E., HPCC. An overview of the | | the NSFNET backbone | (1-3) 69- 72 |
| U.S. High Performance Computing and | | Ghosal, D., see Yang, Q. Goodman, D., PARADISE: the COSINE | (4) 267–285 |
| Communications initiative with focus on | | X.500 pilot service | (1-3) 111-114 |
| the National Research and Education | (1 2) 27 20 | A.300 phot service | (1-3) 111-114 |
| Network Bowen, D., Open distributed processing | (1-3) 37- 39 $(1-3)$ 195-201 | Hagens, R.A., see Cargille, C.A. | (1-3) 97-100 |
| Bradshaw, R., see Crowcroft, J. | (1-3) 193-201 $(1-3)$ 177-184 | Haj-Hussein, M., see Logrippo, L. | (5) 325-342 |
| Burren, J.W., High speed communications | (1-3) 177-104 | Hammer, D.K., see Schepers, H.J.J.H. | (4) 241 - 251 |
| — a tutorial on the jargon and technolo- | | Hammer, D.K., see Schepers, H.J.J.H. | (4) 253 - 266 |
| gies | (1-3) 119-124 | Hansen, A., see Cargille, C.A. | (1-3) 97–100 |
| | | Harvey, C.C., CERT — Computer Emer- | (4. 0) 4 (7. 470 |
| Caldwell, L.G., Workstation to internet; | | gency Response Team | $(1-3)\ 167-170$ |
| problems, solutions, and challenges | (1-3) 25- 28 | Havermans, G.M.J., see Schepers, H.J.J.H. Havermans, G.M.J., see Schepers, H.J.J.H. | (4) 241–251 (4) 253–266 |
| Callon, R.W., Integrated routing for multi- | | Hill, J.M., The X.500 Directory Service and | (4) 255–200 |
| protocol TCP/IP-OSI environments | (1-3) 185–190 | the Data Protection Act | (1-3) 163-166 |
| Cannon, S., see Altaber, J. | (1-3) 139–142 | Hine, M., see Altaber, J. | (1-3) $139-142$ |
| Cargille, C.A., R.A. Hagens, A. Hansen and | | Huitema, C., Naming: strategies and tech- | (1 0) 10) 112 |
| L.H. Landweber, The Internet X.400 pi- | (1 2) 07 100 | niques | (1-3) 107-110 |
| lot project | (1-3) 97-100 | Hünke, H., Gala-dinner speech | (1-3) 3- 10 |
| Carpenter, B., see Altaber, J. Chesson, G., The challenge of workstations | (1-3) 139-142 | Hutton, J.S. and A. Jeffree, Acceptable Use | |
| to networks | (1-3) 15- 18 | policy | (1-3) 33- 36 |
| Clyne, L., CONS/CLNS interworking — | (1-5) 15 10 | 1 1 0 111 1 | (1 2) 120 112 |
| policy and recommendations | (1-3) 47- 49 | Isnard, C., see Altaber, J. | (1-3) 139–142 |
| Crowcroft, J. and R. Bradshaw, TCP/IP In- | | Jeffree, A., see Hutton, J.S. | (1-3) 33- 36 |
| ternet protocols and JANET | (1-3) 177-184 | Jouanigot, J.M., see Altaber, J. | (1-3) $139-142$ |
| | | , | ,,- |
| Davids, D., see Altaber, J. | (1-3) 139-142 | Kikumoto, Y., see Leung, C.H.C. | (4) 229-240 |

Elsevier Science Publishers B.V.

| Kirstein, P.T. and G. Montaser-Kohsari, Proposed ODA pilot activities for the | | Schepers, H.J.J.H., O.B.P. Rikkert de Koe, G.M.J. Havermans and D.K. Hammer, | |
|--|-----------------------------|---|----------------|
| research community Knight, G., The COSINE CONCISE infor- | | LAN/WAN interworking in the OSI environment | (4) 253–266 |
| mation service project | (1-3) 115–118 | Schepers, H.J.J.H., O.B.P. Rikkert de Koe, | |
| Kongsli, T.A., TCP/IP internetwork commu- | | G.M.J. Havermans and D.K. Hammer, | |
| nication through LANs interconnected by | | Naming, addressing, routing and relaying | |
| Dikon Meganet | (1-3) 57- 62 | in the OSI environment | (4) 241–251 |
| Koudelka, O., see Altaber, J. | (1-3) 139–142 | Segal, B., see Altaber, J. | (1-3) 139–142 |
| | (1 2) 07 100 | Sijelmassi, R. and R.J. Linn, Guidelines for | |
| Landweber, L.H., see Cargille, C.A. | (1-3) 97-100 | using Estelle to specify OSI services and | (2) 2 12 2 2 2 |
| Léonhardt, J.L., see Bessière, C. | (1-3) 157-161 | protocols | (5) 343–362 |
| Leung, C.H.C., Y. Kikumoto, SA. Sørensen | | Simonen, S., see Altaber, J. | (1-3) 139–142 |
| and S.O. Falaki, A new efficient ARQ | (4) 220, 240 | Solomon, C., JF. L'Haire and JF. Paccini, | |
| scheme for satellite communications | (4) 229–240 | LAN management by cooperation: | |
| Levrat, B., The networked campus | (1-3) 19- 24 | Hewlett-Packard and the University of | (1 2) 70 05 |
| L'Haire, JF., see Solomon, C. | (1-3) 79- 85 (5) 343-362 | Geneva | (1-3) 79- 85 |
| Linn, R.J., see Sijelmassi, R. | (5) 343-302 | Sørensen, SA., see Leung, C.H.C. | (4) 229–240 |
| Logrippo, L., M. Faci and M. Haj-Hussein, | | Stassinopoulos, G.I. and I.S. Venieris, ATM | (4) 207 204 |
| An introduction to LOTOS: learning by | (5) 225 242 | adaptation layer protocols for signalling | (4) 287–304 |
| examples | (5) 325–342 | Stheneur, N., see Altaber, J. | (1-3) 139–142 |
| Manhariah O and Brokert D.I. | (5) 417 420 | Stockman, B., NORDUnet experiences in | (1 2) 52 50 |
| Monkewich, O., see Probert, R.L. | (5) 417–438 | network management | (1-3) 73- 78 |
| Montaser-Kohsari, G., see Kirstein, P.T. | (1-3) 153-156 | Sweeney, K., see Altaber, J. | (1-3) 139–142 |
| Morse, M.J., see Platt, A. | (4) 305–316 | Towns to Co. All I v | (1 2) 120 112 |
| Neggors V European Engineering Planning | | Touramanis, C., see Altaber, J. | (1-3) 139-142 |
| Neggers, K., European Engineering Planning | (1 2) 62 69 | Tripathi, S.K., see Yang, Q. | (4) 267–285 |
| Group (EEPG)—Summary Report | (1-3) 63- 68 | Illinois V Consisting to the form | |
| Neufeld, G. and S. Vuong, An overview of ASN.1 | (5) 202 415 | Ullmann, K., Organisational structures for | |
| Neufeld, G., Descriptive name resolution | (5) 393–415 (4) 211–227 | the provision of international data com- | |
| Nordberg, M., see Altaber, J. | | munication services in the research com- | (1 2) 20 22 |
| Northberg, M., see Attaber, J. | (1-3) 139-142 | munity | (1-3) 29- 32 |
| Olofsson, S., see Altaber, J. | (1-3) 139-142 | Van Binst, P., Guest editorial Van Binst, P., Report on the RARE/CEC | (1-3) |
| Paccini, JF., see Solomon, C. | (1-3) 79- 85 | symposium on high speed networking for | |
| Platt, A. and M.J. Morse, Traffic manage- | | research in Europe | (1-3) 41 |
| ment in frame relay networks | $(4)\ 305-316$ | Veiga, P., see Altaber, J. | (1-3) 139-142 |
| Pouzin, L., Ten years of OSI—maturity or | | Venieris, I.S., see Stassinopoulos, G.I. | (4) 287 - 304 |
| infancy? | (1-3) 11- 14 | Voipio, M., see Altaber, J. | (1-3) 139-142 |
| Probert, R.L. and O. Monkewich, TTCN: the | | Vuong, S., see Neufeld, G. | (5) 393-415 |
| international notation for specifying tests | | Vuong, S., see de Meer, J. | $(5)\ 363-392$ |
| of communications systems | (5) 417–438 | | |
| Rikkert de Koe, O.B.P., see Schepers, | | Wacker, C., Interconnection of LANs using ISDN | |
| H.J.J.H. | (4) 241-251 | Westbrock, H., see Bauerfeld, W. | (1-3) 143-151 |
| Rikkert de Koe, O.B.P., see Schepers, | | Wilson, P., Computer Supported Coopera- | |
| H.J.J.H. | (4) 253-266 | tive Work (CSCW): origins, concepts and | |
| Robinson, D., Remote Procedure Call: a | | research initiatives | (1-3) 91- 95 |
| stepping stone towards ODP | (1-3) 191–194 | | |
| Roth, R., see de Meer, J. | (5) 363–392 | Yang, Q., D. Ghosal and S.K. Tripathi, Performance study of two protocols for | |
| Sales, B., TCP/IP-X.25/OSI interopera- | | voice/data integration on ring networks | (4) 267–285 |
| tion: from the medium term to the long | | | (1) 201 200 |
| tion. Hom the medium term to the king | | , | |
| term | (1-3) 171-176 | Zeiliger, R., see Bessière, C. | (1-3) 157-161 |

Subject Index to Volume 23

Abstract data types 363

Abstract syntax 393

Acceptable use 33

Access controls 163

Addressing 241

Algebraic specification techniques 363

Analysis of traffic patterns in networks 73

Applications 87

ATM 129, 287

ATM bandwidth utilization 287

Attributes 211

Automatic repeat request 229

Basic adaptation sublayer 287

Basic Reference Model (BRM) 343

B-ISDN 119

Bit rates 129

CASE for education 157

CCITT 11

CEC projects 115

CERN 129

CERT 167

CO/CL interworking 47, 171

Collaboratory 91

Communications 417

Compilers 393

Computer communication protocols 343

Computer communications 393

Computer Supported Cooperative Work 91

Computing services 19

Concentrator design 51

Concurrent languages 325

Conferencing 87

Conformance testing 417

Congestion management 305

Connected status 43

Connectionless 253

Connection-mode Network Service (CONS)

171

Connection-oriented 253

Connection oriented network service 125

CONS 125

COSINE 111, 115

CSCW 91

Data Protection Act 163

Delays 129

Descriptive names 211

Directories 111

Directory service 163

Distributed applications 211

Distributed processing 195

Distributed systems 211

Elsevier Science Publishers B.V.

Dual-ring usage 51

EBIT solution 57

Emergency response 167

Error detection time 229

Estelle 343, 393

Europe 11

External data representation 393

FDDI 51

Flow control 125

Formal Description Techniques (FDT) 325,

343, 393

Formal modelling 363

Frame relay 119, 129, 305

Full screen 101

Functional standard 11

Funding structures for research networks 29

Gigabit 129

Glasnost and perestroica 363

Go-back-N 229

Governance 33

Grace 87

Group communication 87

Group processes 91

Groupware 91

Help desk 87

Heterogeneous environments 393

Heterogeneous systems 19

High performance computing communica-

tions 37

High-speed communications 119

High speed data network 125

High-speed protocols 143

HPCC 37

IBCN 143

Information model 87

Information providers 115

Information sharing 87

Inheritance 211

Integrated routing 185

Integrated services digital network (ISDN)

241

Integration 79

Interactive access 101

Interactivity 157

Interconnection 171

Internet Engineering Task Force 153

Internet Registry function 43

Interoperability 195

Interworking 177, 253

Ip-register 43 IP Routers 129

IS-IS 185 ISO 11, 177

Languages 393

LAN internetworking with TCP/IP 57

LAN management 79

Local area network (LAN) 19, 253

3-Loop Model 79 LOTOS 325, 393

Management 33, 37

Megabit 129

Meganet concept 57

Migration 171, 177 Monitoring of networks 73

Multimedia 91, 157

Multimedia communication 143

Multimedia documents 143

Name resolution 211

Name service 211

Naming 241

National networks and services 115

National research network 33

Network Information Center 43

Network Internal Layer Service (NILS) 171

Network management 73

Network operations 73

Network statistics 73

NREN 37

Object based systems 363

Object management 195

Objects 211

ODA 153

ODP 195

Office document architecture 153

OLYMPUS 139

Open and secure communication 153

Open Distributed Processing 191

Open networking 33

Open Systems 101, 153

Open systems interconnection (OSI) 191,

241, 253, 325, 343, 393

Organisation of research network operation

29

OSI 47, 111, 363

OSI coexistence 185

OSI network layer 253

OSI protocol 11

OSI transport layer 253

Packed mode AAL protocols 287

Packet fragmentation and reassembly 125

Pan-European information service 115

photonic switches 129

Pilot projects 111

Policy 33

Privacy 163

Profile 11

Programming interface 11

Protocol 177, 305, 417

Protocol modifications 57

Quality of services 143

RACE 143

RARE 115

Realtime applications 143

Relaying 241

Relay system 171

Remote Procedure Call 191

Requirements 91

Research and Development (R&D) net-

works 171

Research networks 91

Resource allocation 305

RFC 1174 43

Routing 241

Satellite 139

Security 167

Shared WAN 125

Signalling 287

Slate 153

SMDS 119

Solutions with bridges and routers 57

Special interest groups 115

Specification languages 325

Standards 191, 417

Station management 51

Synchronous transmission 119

TCP/IP 11, 47, 171, 177, 185

TDM 129

Test 11

Testbeds 153

Throughput efficiency 229

Traffic measurement in networks 73

Training 157

Transfer syntax 393

Transparent call set-up 57

Transport relay 47

Transport service bridge 47

TTCN 417

UK 163

University of Geneva 79

U.S. policy 37

Virtual multiple data link 229

Virtual terminal 101

Voice and data integration 125

Wide area network (WAN) 253

Windows 101

WorkGroup Computing 91

X.25 47, 125

X.400 87

X.500 87, 111, 163

X.25 Packet Layer Protocol (X.25/PLP) 171

XTP 139

X Window System 101